

I claim:

1. Wireless headphones, comprising: a storage battery; a connector socket for receiving a charge plug of an electric connection into a power pack; at least one miniature loudspeaker; audio electronics connected to the loudspeaker; a reception part connected to the audio electronics for receiving wireless signals; charging electronics operative to monitor a charging process of the storage battery; and a socket for receiving a signal plug of an electric connection with an audio source for transferring signals, the audio electronics being operatively configured so that when signal plug is inserted only signals received via the signal plug are conducted to the loudspeaker.

2. Headphones according to Claim 1, wherein the audio electronics are operative to switch off the reception part when the signal plug is inserted.

3. Headphones according to Claim 1, wherein the plugs have different electrically conducting or electrically insulating surface areas, the socket being combined as a common socket for alternately receiving the charge plug and the signal plug, whereby the audio electronics recognize the type of plug inserted by contacting the different electrically conducting or electrically insulating surface areas of the plugs.

4. Headphones according to claim 1, wherein the signal plug is a conventional stereo jack.